

SYNONYMY IN THE ORIENTAL SPECIES OF THE
SUBGENUS MICROSCOLIA BETREM

(Hymenoptera: Scoliidae)

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SCOLIA (MICROSCOLIA) MACROCEPHALA (Gribodo) and
S. (M.) BELLA Rohwer

Through courtesy of the authorities of the City Natural History Museum of Genoa I have had opportunity to study the holotype of *Triscolia macrocephala* Gribodo. It is not the taxonomic species that Betrem in his *Monographie der indo-australischen Scoliiden*, Treubia, 1892, v. 9, supplement, p. 205, had supposed it to be, but is a taxonomic species omitted in that monograph. The following addition to Betrem's key to females, *loc. cit.* p. 198, will provide for it.

- 4c. Vertex very sparsely punctate, almost smooth; tergum 3(2) almost smooth, much more finely punctate than in *kollari*; mesoscutum with two smooth strips near the middle (but on one side in the type the strip is somewhat encroached upon by punctures; wings reddish purple, as in *kollari*; Jolo Island.....*macrocephala* Gribodo

The taxonomic species from the Philippines that Betrem misidentified as *macrocephala* will take the name of its oldest synonym, namely *bella* Rohwer, therefore, for the heading "*Scolia macrocephala* Gribodo" on p. 205 read "*Scolia bella* Rohwer," and in the key to females, p. 199, for "*S. macrocephala* Rohwer" (a *lapsus* for Gribodo), couplet 5b and couplet 2a in the key to males, read "*S. bella* Rohwer."

SCOLIA (MICROSCOLIA) PARASTASIAE Betrem and S. (M.) KUEHNI
(Micha) Betrem

Dr. Betrem (*Stett. Ent. Zeit.*, 1933, 94:252) has pointed out that *parastasiae* Betrem (1928:206) is the female of *kuehni* Micha (*Mitt. Zool. Mus. Berlin*, 1927, 13:91) and has given additional characters for the male and figured its genitalia. The center heading "*Scolia parastasiae* nov. spec." (Betrem, 1928:206) must therefore read "*S. kuehni* (Micha)" Betrem. In Betrem's key to females, p. 198, couplet 3a, change "*parastasiae* Betr." to "*kuehni* (Micha)," and in the key to males, p. 199, couplet 2a should lead to "*megacephala* Rohwer from the Philippines and *kuehni* (Micha) from Buru." An examination of Micha's holotype of *kuehni* in the Berlin Museum, (studied through courtesy of Dr. H. Bischoff)

in 1929 had convinced me that it could not be distinguished externally from *megacephala* Rohwer.

SCOLIA (MICROSCOLIA) PSEUDOFORAMINATA (Gribodo) Betrem

I have also had an opportunity to study Gribodo's holotype of this species in Genoa. It is neither a synonym of *macrocephala* (Gribodo) nor of *bella* Rohwer, as given by Betrem (1928:205). On the contrary *bellina* Rohwer is its junior synonym and the center heading "*Scolia bellina* Rohwer" on p. 205 must be replaced by "*Scolia pseudoforaminata* (Gribodo) Betrem." In his key to males, p. 200, couplet 7b, "*bellina*" must likewise be changed to "*pseudoforaminata*."

In the type of *pseudoforaminata* the wings are bronzy, not deeply colored, apically with a weak rosy reflection; antennae ferruginous; legs and abdomen with a perceptibly ferruginous shade, the abdomen strongly overlaid with iridescent blue; the setae on the apical part of the abdomen, appearing black, are seen on close examination to have a decided reddish brown shade. There are many white hairs on the underside of the head and thorax.

SCOLIA (MICROSCOLIA) MAGRETTII (Gribodo) Betrem

I hereby designate the female syntype of *magretti* in the collection of the Genoa museum to be the lectotype. It belongs to the taxonomic species *kollari* Saussure, (Betrem, 1928:204) under which Betrem has already listed the male as a synonym (at the same time also listing the male as a separate species, see below) Betrem specifically excluded the female from the synonymy of *kollari*, p. 204, and of his interpretation of *magrettii*. As this leaves no place in his scheme for the female, it seems likely that he intended, in the synonymy of *kollari*, that one should read "*magrettii* ♀, nec ♂" instead of vice versa.

Both the female lectotype of *magrettii* and the male allotype (also in the Genoa Museum) belong to *kollari*. The sternal fringes 2 and 3 of the male are white, the head, pleura, sternum venter except apically and legs are largely white-haired. Gribodo erred in saying black. The wing color in each sex is alike, a little deeper more brown bronze and less green bronze than in a specimen before me determined by Betrem as *magrettii*. In fact the male allotype agrees exactly with a male which Betrem has determined as *kollari*.

Since the name "*magrettii* Grib." cannot be applied to the taxonomic species to which Betrem has applied it on p. 206, this species must be named anew:

***Scolia* (*Microscolia*) *obiensis* Bradley, new species**

Male described by Betrem (1928:206) under the misapplied name "*Scolia magrettii* Grib." and differentiated under that name in his key to males, p. 200, couplet 8a.

Holotype, from OBI ISLANDS, the "plesiotype of *magrettii*" referred to by Betrem, p. 206, in the Leiden Natural History Museum.

I have studied the holotype of *Scolia tyrianthina* Kirby, of *Scolia hydrocephala* (Micha) and the lectotype of *Scolia cephalotes* Burmeister and find them correctly placed in Betrem's key to the females, p. 198.

The holotype of *papuana* (Micha) is correctly placed by Betrem (1928:207), as a synonym of *pygmaea* Saussure.

In addition to the Oriental species of *Microscolia*, there are some from Africa which will be treated in a manuscript now ready for print.

ORIENTAL SPECIES OF MICROSCOLIA

cephalotes Burmeister, ♀, ♂. Java.

foraminata Saussure.

tyrianthina Kirby, ♀, ♂. Andaman Islands.

hydrocephala (Micha) Betrem, ♀, ♂. Ceylon and southern India.

karnyi Betrem, ♂. Mentawai Islands.

kollari Saussure, ♀, ♂. Borneo, Sumatra, Malacca, Tenasserim.

magrettii (Grib.) Betrem; *aglana* Cameron; *crassiceps* Cameron; *pachycephala* (Micha); *sumatrana* (Micha); *chalcoptera* (Micha); *aeneipennis* (Micha); *violaceipennis* (Micha).

khasiana Betrem ♂. Assam.

macrocephala (Gribodo) Betrem. Jolo Island.

bella Rohwer, ♀, ♂. Philippine Islands.

pseudoforaminata (Gribodo) Betrem. Philippine Islands.

bellina Rohwer.

megacephala Rohwer, ♀, ♂. Philippine Islands.

obiensis Bradley. Obi Island.

kuehni (Micha) Betrem. Buru Island.

parastasiae Betrem.

pygmaea Saussure, ♂. Australia, New Britain, New Mecklenburg.

papuana (Micha).

maindroni Betrem, ♂. New Guinea (For supplementary description cf Betrem 1933, p. 252).

apicata Smith, ♀, ♂. Celebes.